

Chapter 9 List of Technical Studies and Referenced Documents

Technical reports documenting environmental studies conducted for the Highway 101 HOV Lane Widening and Improvements Project: Old Redwood Highway, Petaluma to Rohnert Park Expressway, Rohnert Park are listed here.

Documents referenced in this EA/EIR are as follows:

Technical Studies

Air Quality Impact Technical Report, Terry A. Hayes Associates, June 2005.

Archaeological Survey Report Highway 101 Widening and Improvements Project from Old Redwood Highway in the City of Petaluma to Rohnert Park Expressway in the City of Rohnert Park, David Chavez & Associates, September 2005.

Biological Assessment for Fish Species, Parsons, March 2007.

Community Impact Assessment, Highway 101 HOV Lane Widening and Improvements Project: Old Redwood Highway, Petaluma to Rohnert Park Expressway, Rohnert Park, Parsons, September 2005.

“Technical Memorandum on Energy Impacts for the Highway 101 HOV Lane Widening and Improvements Project: Old Redwood Highway, Petaluma to Rohnert Park Expressway, Rohnert Park,” Parsons, June 2005.

Draft Geotechnical Summary Report: SCTA Highway 101 Widening and Improvements Project: Old Redwood Highway in Petaluma to Rohnert Park Expressway in Rohnert Park, Sonoma County, California, MACTEC Engineering and Consulting, Inc., November 2005.

Growth Inducement Study: Highway 101 HOV Lane Widening and Improvements Project, Old Redwood Highway, Petaluma to Rohnert Park Expressway, Rohnert Park, Parsons, June 2005. *Draft Hazardous Wastes Summary Report: Highway 101 Widening and Improvements Project, Old Redwood Highway in Petaluma to Rohnert Park Expressway in Rohnert Park, California*, MACTEC Engineering and Consulting, Inc., December 2004.

Draft Location Hydraulic Study and Floodplain Risk Assessment: Highway 101 Widening and Improvements Project, Old Redwood Highway to Rohnert Park Expressway, Sonoma County, California, MACTEC Engineering and Consulting, Inc., November 2005.

Highway 101 Widening and Improvements Projects: Focused Corridor Biological Assessment, Sonoma County Distinct Population Segment of the California Tiger Salamander, Parsons, October 2004.

Highway 101 Widening and Improvements Projects: Biological Assessment for Fish Species, Parsons, November 2005.

Historic Property Survey Report, Parsons, September 2005.

Historical Resource Evaluation Report: Highway 101 Widening Improvements, Old Redwood Highway in Petaluma to Rohnert Park Expressway in Rohnert Park, JRP Historical Consulting Services, September 2005.

Mobile Source Air Toxins Emissions Analysis Memorandum, Highway 101 Widening and Improvement Project: Old Redwood Highway, Petaluma, to Rohnert Park Expressway, Rohnert Park, Terry A. Hayes Associates, July 2007.

Natural Environment Study, Highway 101 HOV Lane Widening and Improvements Project: Old Redwood Highway to Rohnert Park Expressway, Parsons, April 2006.

Noise Study Report: U.S. 101 Expansion and Improvements Project, Between Petaluma Boulevard Interchange to the Rohnert Park Expressway Interchange, Parsons, September 2005.

Draft Relocation Impact Report: Highway 101 Improvements Project: Old Redwood Highway to Rohnert Park Expressway, Parsons, November 2005.

Storm Water Data Report, Parsons, December 2005.

Traffic Technical Memorandum, Traffic Operational Analysis, Highway 101 Widening and Improvements Project: Old Redwood Highway, Petaluma to Rohnert Park Expressway, Rohnert Park, Parsons and Dowling Associates, June 2005.

Visual Impact Assessment, Highway 101 HOV Lane Widening Project: Petaluma to Rohnert Park, Public Affairs Management, November 2005.

Water Quality Technical Memorandum, Highway 101 HOV Lane Widening Project: Old Redwood Highway, Petaluma to Rohnert Park Expressway, Rohnert Park, March 2005.

Wetland Delineation Report, Parsons, January 2006.

Other Referenced Documents

1998 Programmatic Formal Consultation for U.S. Army Corps of Engineers 404 Permitted Projects that may Affect Four Endangered Plant Species of the Santa Rosa Plain, California (1998 Plant Programmatic Opinion) (Service 1998).

2000 Bay Area Clean Air Plan, Bay Area Air Quality Management District.

2001 Ozone Attainment Plan, Bay Area Air Quality Management District, Metropolitan Transportation Commission and Association of Bay Area Governments.

2005 Transportation Improvement Plan, Metropolitan Transportation Commission, 2004.

23 CFR Part 772, 2004. *Procedures for Abatement of Highway Traffic Noise and Construction Noise*, 23 Codes of Federal Regulations, Part 772, April 1.

Association of Bay Area Governments, *Projections 2003 – Forecasts for the San Francisco Bay Area to the Year 2030*, 2003.

Bowers, A.B., Map of Sonoma County, California. Made and published by A.B. Bowers in accordance with an Act of the Legislature, approved March 28, 1863. With Additions and Corrections to September 1, 1867, 2nd edition, 1867.

California Air Resources Board, Federal and State Air Quality Standards, January 9, 2003.

California Air Resources Board, October 2003.

California Department of Transportation, *Caltrans Environmental Handbook, Volume 4: Community Impact Assessment*, June 1997.

Caltrans Highway Design Manual, Metric 1995.

Caltrans, California Department of Transportation. *SOUND 2000 Version 3.2* (Caltrans traffic noise prediction model), April 2004.

Caltrans, *Standard Environmental Reference* website: <http://www.dot.ca.gov/ser/>, 2004.

Caltrans, 1998a. California Department of Transportation. *Traffic Noise Analysis Protocol for New Highway Construction and Reconstruction Projects*, October.

Caltrans, 1998b. California Department of Transportation. *Technical Noise Supplement to the Traffic Noise Analysis Protocol*, October.

Caltrans, Traffic Accident Surveillance and Analysis System, an Accident and Highway Database, 2003.

Caltrans, *Traffic Volumes on the California Highway System* website: <http://www.dot.ca.gov/hq/traffops/saferesr/trafdata/2002all.html>, 2002.

City of Cotati General Plan Update 1998-2015, September 1996.

City of Petaluma General Plan 1987-2005, March 1987.

City of Rohnert Park General Plan, July 2000.

Cotati, 2004. City of Cotati, CA municipal code, Title 14, Building and Construction, Ch. 14.30 Construction Hours Limited, October.

DeClerq, John H., History of Rohnert Park—From Seed to City. Commissioned by Rohnert Park City Council Under the Direction of the Editorial Committee Sponsored by Cultural Arts Corporation. 1977. Rohnert Park (available at <http://www.sonic.net/~rphistory.htm>).

DKS Associates. 2002 High Occupancy Vehicle (HOV) Lane Master Plan Update, Final Summary Report, prepared for the Metropolitan Transportation Commission, Caltrans District 4, and the California Highway Patrol Golden Gate Division, March 2003.

Highway Capacity Manual (HCM) – Chapter 23, “Basic Freeway Sections”, Transportation Research Board, 2000.

I. Hirschman and M. Henderson, “Methodology for Assessing Local Land Use Impacts of Highways.” Transportation Research Record 1274, Transportation Research Board, Washington, DC. 1990.

Mayer, K. E. and W. F. Laudenslayer, Jr., eds. 1988. *A Guide to Wildlife Habitats of California*. California Department of Forestry and Fire Protection, Sacramento, CA.

Metropolitan Transportation Commission, *2001 Regional Transportation Plan for the San Francisco Bay Area*, Adopted December 2001, Amended November 2002: Attachment A, Sonoma County Projects, Track 1.

Petaluma, 1997. City of Petaluma, CA Zoning Ordinance No. 2049, Section 22-301: Noise Regulations, sub-section 22-302.3, Noise Regulations Generally, July.

Procedures for Abatement of Highway Traffic Noise and Construction Noise (23 CFR Part 772, 2003). FHWA.

Public Meeting Summary Report: Highway 101 Widening Projects, Steele Lane (Santa Rosa) to Windsor River Road (Windsor); Old Redwood Highway (Petaluma) to Rohnert Park Expressway (Rohnert Park), Moore Iacofano Goltsman (MIG), Inc., October 2003.

Rohnert Park, 2004a. City of Rohnert Park, CA municipal code, Title 9, Public Peace Morals and Welfare, Ch. 9.44, Noise, section 9.44.120, Construction of buildings and projects, December.

Rohnert Park, 2004b. City of Rohnert Park, CA municipal code, Title 17, Zoning, Ch. 17.12, Performance Standards, section 17.12.030, Noise Standards, December.

Santa Rosa Plain Conservation Strategy Team, Santa Rosa Plain Conservation Strategy, December 2005.

Sonoma County General Plan, March 1989.

Stakeholder Interviews Summary Report: Highway 101 Widening Projects, Steel Lane (Santa Rosa) to Windsor River Road (Windsor); Old Redwood Highway (Petaluma) to Rohnert Park Expressway (Rohnert Park), Moore Iacofano Goltsman (MIG), Inc., August 2003.

Thompson, Thomas H., *New Historical Atlas of Sonoma County*. Thomas H. Thompson (reprinted 1976 by Valley Publishers, Fresno), 1877.

Traffic Noise Analysis Protocol, Caltrans, 1998a.

Transportation 2030 Plan, Metropolitan Transportation Commission, 2005.

United States Census Bureau, 2004, website: www.census.gov.

United States Code of Federal Regulations, Title 40, Part 93.